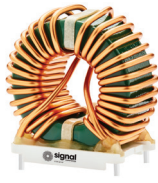
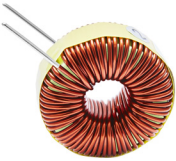


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High Current Toroidal Choke (HCTC) and Inductor (HCTI)

Complimentary Pairing & Cross-Reference Guide



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Complimentary Guide: Signal HCTC to Signal HCTI

SIGNAL HCTC	SIGNAL HCTI
HCTC-1-20	HCTI-10-20.0
HCTC-2.4-17	HCTI-18-17.2 HCTI-15-18.0 HCTI-12-19.1
HCTC-1.2-16	HCTI-22-16.4
HCTC-4-14.5	HCTI-27-15.6
HCTC-2.5-12.5	HCTI-33-11.7 HCTI-28-11.2
HCTC-1-10	HCTI-47-10.7 HCTI-56-10.2
HCTC-7.3-9.3	HCTI-56-10.2
HCTC-5-8.9	HCTI-100-7.7
HCTC-2-6.6	HCTI-120-6.7 HCTI-100-7.0
HCTC-8-5.6	HCTI-270-5.5 HCTI-220-5.8
HCTC-1-4.8	HCTI-180-4.8 HCTI-390-5.0 HCTI-150-5.0 HCTI-330-5.2
HCTC-12-4	HCTI-470-3.8
HCTC-5-3.7	HCTI-470-3.8 HCTI-560-3.6 HCTI-680-3.4
HCTC-20-2.9 HCTC-36-2.9	HCTI-680-3.4
HCTC-7-2.8	HCTI-820-2.6
HCTC-10-2.4 HCTC-2.5-2.4	HCTI-1000-2.4
HCTC-30-2.3 HCTC-50-2.3	HCTI-1000-2.4
HCTC-4-1.7	HCTI-1000-2.4

Cross-Reference Table

BOURNS PART #	SIGNAL PART #
8101-RC	HCTC-4-1.7
8102-RC	HCTC-2.5-2.4
8103-RC	HCTC-1-4.8
8104-RC	HCTC-10-2.4
8105-RC	HCTC-7-2.8
8106-RC	HCTC-5-3.7
8107-RC	HCTC-2-6.6
8108-RC	HCTC-1-10
8109-RC	HCTC-30-2.3
8110-RC	HCTC-20-2.9
8111-RC	HCTC-12-4
8112-RC	HCTC-8-5.6
8113-RC	HCTC-5-8.9
8114-RC	HCTC-2.5-12.5
8115-RC	HCTC-1.2-16
8116-RC	HCTC-50-2.3
8117-RC	HCTC-36-2.9
8118-RC	HCTC-7.3-9.3
8119-RC	HCTC-4-14.5
8120-RC	HCTC-2.4-17
8121-RC	HCTC-1-20



HCTC-1-4.8



HCTC-4-1.7



HCTC-30-2.3



MEDICAL
Diagnostic
Surgical Equipment
Patient Monitoring
Hand Held Devices
Surgical Generators
In-Home Dialysis
Blood Analyzers

INDUSTRIAL
Material Handling
Process Control
Robotics
Elevators
Power Controllers
POS Terminals
Vending Machines

NETWORKING
Data Center
Switching & Routers
Servers, Server I/O &
Server Blades
100G Core Switches
40G Firewall / NIC Cards
3U Top & End of Rack
Patch Panels &
Wiring Closet

TELECOM / DATACOM
Set-Top Boxes
Hard Drives & Laptops
Printers & Plotters
Telephone Line
Switching
Current Line
Detection
PBX

CONSUMER
Digital Cameras
Video Recorders
GPS - Navigation
Portable Media Players
Game Controllers
Projectors
LCD Televisions
Hand Held Devices

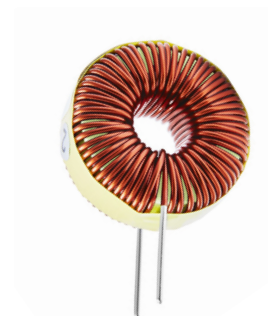
24 Different Models, Vertical Mount With Self Leads, Broad Inductance and Current Range, Scalable to Horizontal Mount, 2 or 4 or Pin Headers can be added, Custom Inductance Models Available

Cross-Reference Table

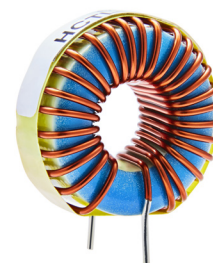
BOURNS PART #	SIGNAL PART #	L (uh) = ± 15% @ 1 kHz	IDC (A)	L (uh) ± 15% @ I rated	DCR Ohm Max
2301-V-RC	HCTI-10-20.0	10	20.0	6.7	0.005
2302-V-RC	HCTI-12-19.1	12	19.1	7.8	0.005
2303-V-RC	HCTI-15-18.0	15	18.0	9.5	0.006
2304-V-RC	HCTI-18-17.2	18	17.2	11.1	0.006
2305-V-RC	HCTI-22-16.4	22	16.4	13.2	0.007
2306-V-RC	HCTI-27-15.6	27	15.6	15.7	0.008
2307-V-RC	HCTI-33-11.7	33	11.7	21.3	0.013
2308-V-RC	HCTI-39-11.2	39	11.2	24.7	0.014
2309-V-RC	HCTI-47-10.7	47	10.7	29.0	0.016
2310-V-RC	HCTI-56-10.2	56	10.2	33.7	0.017
2311-V-RC	HCTI-68-7.7	68	7.7	45.2	0.030
2312-V-RC	HCTI-100-7.0	100	7.0	63.1	0.037
2313-V-RC	HCTI-120-6.7	120	6.7	73.9	0.040
2314-V-RC	HCTI-150-5.0	150	5.0	101.4	0.071
2315-V-RC	HCTI-180-4.8	180	4.8	118.9	0.078
2316-V-RC	HCTI-220-5.8	220	5.8	123.8	0.054
2317-V-RC	HCTI-270-5.5	270	5.5	147.2	0.060
2318-V-RC	HCTI-330-5.2	330	5.2	174.1	0.067
2319-V-RC	HCTI-390-5.0	390	5.0	200.2	0.072
2320-V-RC	HCTI-470-3.8	470	3.8	271.4	0.130
2321-V-RC	HCTI-560-3.6	560	3.6	314.8	0.140
2322-V-RC	HCTI-680-3.4	680	3.4	370.7	0.150
2323-V-RC	HCTI-820-2.6	820	2.6	500.9	0.270
2324-V-RC	HCTI-1000-2.4	1000	2.4	593.6	0.300



HCTI-10-20.0



HCTI-390-5.0



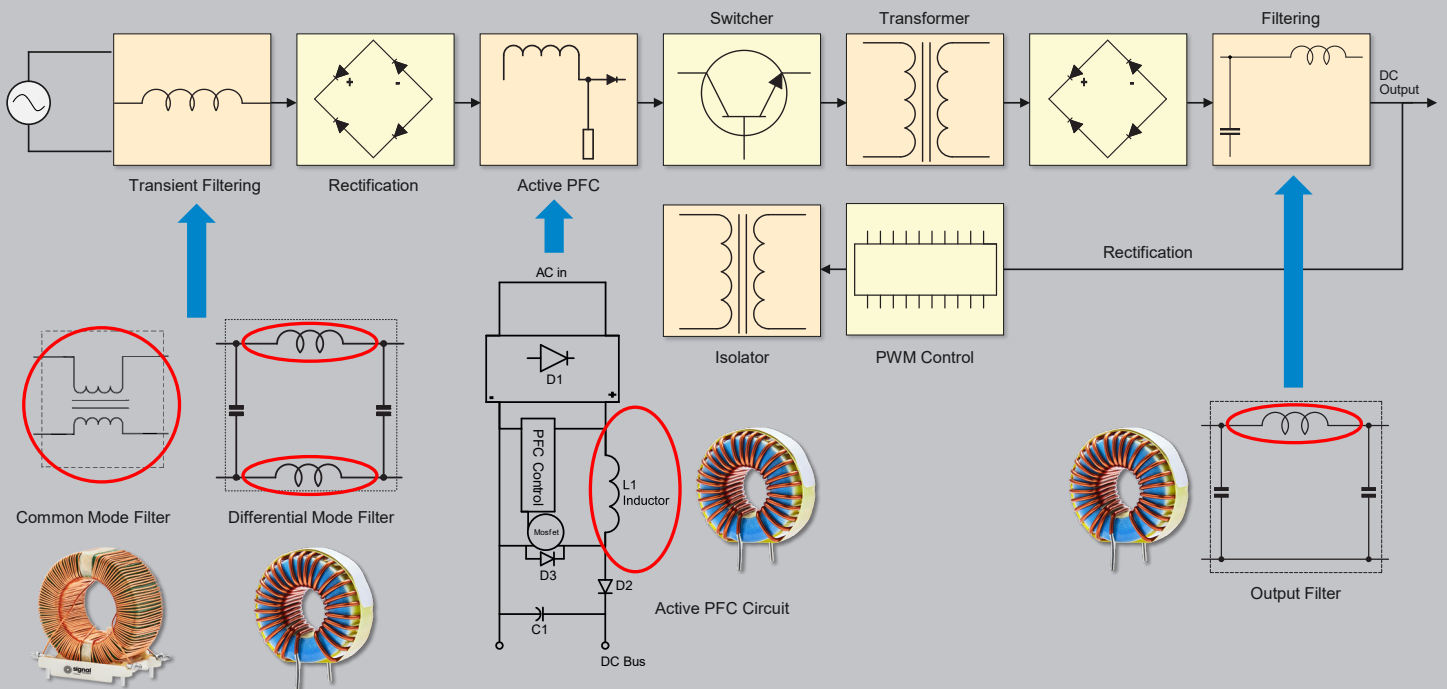
HCTI-68-7.7



APPLICATIONS

EMI / RFI Filtering for SMPS
 LCD Panels
 Computers & Monitors
 DC-DC Converters
 EV Charging Power Supplies

Application Focus - Switch Mode Power Supplies



Note: The circled common mode choke and differential mode filters demonstrate the application for the HCTC and HCTI Series. Also look to the HCTC and HCTI for PFC and output filter applications shown.

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